UNIVERSITÀ DEGLI STUDI DI PADOVA

LAUREA MAGISTRALE IN BIOLOGIA MARINA

INFLUENCE OF NUTRITIONAL COMPOSITION OF BROODSTOCK DIET ON MEAGRE, *Argyrosomus regius*, reproductive performance and egg quality

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**Purposes of this study**

The objective of this work was to study the effects of two different diets on the egg quality produced from meagre broodstock, by comparing fecundity, fertilization success, embryonic and larval survival at different stages.

This work was part of a larger program titled “Development of methods for reproduction and rearing of meagre (*Argyrosomus regius*) as a measure to enhance the competitiveness of aquaculture with the introduction of new species” (ESPA 2007-2013, Collaboration). The objectives of the program were to study all aspects of the lifecycle of meagre in culture, in order to optimize protocols for broodstock management, larval rearing, nursery and grow out in sea cages. The present thesis work adhered to this research project and was carried out in the Institute of Aquaculture of the Hellenic Centre for Marine Research (HCMR) in Crete, Greece.